| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|--|---|---------------------|---------|------------------|
| L1 | 0 | reduc\$3 adj2 dimension adj2 weiner adj2 filter\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/20 10:34 |
| S1 | 20 | michael adj2 honig | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2003/11/01 16:00 |
| S2 | 0 | (michael adj2 honig) and (reduced adj rank) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 11:43 |
| S3 | 0 | (northwestern adj university) and (reduced adj rank) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2003/10/31 16:34 |
| S4 | 10 | (northwestern adj university) and (adaptive adj filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2003/10/31 16:34 |
| S5 | 9 | ((northwestern adj university) and (adaptive adj filter)) and @ad<"20000927" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2003/10/31 16:35 |
| S6 | 0 | (((northwestern adj university) and (adaptive adj filter)) and @ad<"20000927") and (signal adj sample\$1) | USPAT | OR | OFF | 2003/10/31 16:36 |
| S7 . | 2 | 375/232.ccls. and ((principal adj components) or (cross adj2 spectral adj despread\$3) or (partial adj despread\$3)) | USPAT | OR | OFF | 2003/10/31 16:43 |
| S8 | 2 | (375/232.ccls. and ((principal adj components) or (cross adj2 spectral adj despread\$3) or (partial adj despread\$3))) and sample\$1 | USPAT | OR | OFF · | 2003/10/31 17:32 |
| S9 | 1 | ((375/232.ccls. and ((principal adj components) or (cross adj2 spectral adj despread\$3) or (partial adj despread\$3))) and sample\$1) and ((vector\$1) or (basis adj vector\$1)) | USPAT | OR | OFF | 2003/10/31 17:01 |

| S78 | 1 | ((370/342.ccls. and (adaptive adj filter\$3)) and (correlation adj matrix)) and (hermitian adj transpose) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2003/11/01 20:11 |
|-----|----|--|---|----|-----|------------------|
| S79 | 74 | reduced adj rank | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/22 17:38 |
| S80 | 40 | (reduced adj rank) and @ad<"20000927" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/22 17:39 |
| S81 | 31 | ((reduced adj rank) and @ad<"20000927") and vector | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/22 17:39 |
| S82 | 33 | ((reduced adj rank) and @ad<"20000927") and vector\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/22 17:39 |
| S83 | 27 | (((reduced adj rank) and @ad<"20000927") and vector\$1) and sample\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/22 17:39 |
| S84 | 2 | ((((reduced adj rank) and @ad<"20000927") and vector\$1) and sample\$1) and (steer\$3 adj vector\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/22 21:16 |
| S85 | 2 | "5724270".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/22 21:16 |
| S87 | 0 | (honig-michael.in.) and (reduced adj rank) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 11:44 |
| S88 | 0 | (honig-michael.in.) and (adaptive adj2 filter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 11:50 |
| S89 | 3 | (adaptive adj2 filter\$3) same (reduc\$3 adj2 rank\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:53 |
| S90 | 0 | S89 and @ad<"20000927" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:00 |

| | | | | · · · · · · · · · · · · · · · · · · · | | |
|----------|-----|---|---|---------------------------------------|-----|------------------|
| S91 | 0 | (adaptive adj2 filter\$3) same ((reduc\$3 adj2 rank\$3) with vector\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 11:59 |
| S92 | 345 | 375/232.ccls. and (adaptive adj2 filter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ÖFF | 2005/05/14 11:59 |
| S93 | 0 | S92 and ((reduc\$3 adj2 rank\$3) with vector\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:00 |
| S94 | 3 | S92 and ((reduc\$3 adj2 rank\$3) and vector\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:02 |
| S95 | 3 | S94 and @ad<"20000927" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:53 |
| S96 | 3 | S92 and ((reduc\$3 adj2 rank\$3) and (sample adj2 vector\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:40 |
| S97 | 0 | S96 and ((sampl\$3 adj2 vector\$3) near dimension) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:46 |
| S98 | 1 | cdma same (spa\$4 adj2 time adj2 interference adj2 (suppress\$3 or eliminat\$3 or reduc\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:49 |
| S99 | 0 | S98 and ((adaptive adj2 filter\$3) same (reduc\$3 adj2 rank\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:48 |
| S10 0 | 1 | 375/144-149.ccls. and ((adaptive adj2 filter\$3) same (reduc\$3 adj2 rank\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:50 |
| S10 1 | 0 | S100 and (cdma same (spa\$4 adj2 time adj2 interference adj2 (suppress\$3 or eliminat\$3 or reduc\$4))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:49 |
| S10 2 | 0 | 375/232-350.ccls. and ((((co adj2 variance) and steer\$3) adj2 vector\$3) with matrix) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:58 |

| C10 | _ | (adaptive adi2 Eltert2) came | HC DCDHD | OB | OFF | 2005/05/14 12:52 |
|----------|-------|---|---|----|-----|------------------|
| S10 3 | 0 | (adaptive adj2 filter\$3) same ((((co adj2 variance) and steer\$3) adj2 vector\$3) with matrix) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:52 |
| S10 4 | 40355 | (principal adj2 component\$3) or (cross adj2 spectral) or (partial adj2 despread\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:53 |
| S10 5 | 2 | S104 and ((adaptive adj2 filter\$3) same (reduc\$3 adj2 rank\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:56 |
| S10 6 | 0 | S105 and @ad<"20000927" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:54 |
| S10 7 | 0 | multipath same ((adaptive adj2 filter\$3) same (reduc\$3 adj2 rank\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:57 |
| S10 8 | 34 | ((basis and steer\$3) adj2 vector\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 13:01 |
| S10 9 | 0 | S108 and ((((co adj2 variance) and steer\$3) adj2 vector\$3) with matrix) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 12:58 |
| S11 0 | 0 | S108 and ((co adj2 variance) adj2 matrix) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 13:01 |
| S11 1 | 8 | ((basis with steer\$3) adj2 vector\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 13:01 |
| S11 2 | 0 | S111 and ((co adj2 variance) adj2 matrix) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/14 13:01 |
| S11 3 | 0 | matrix adj2 weiner adj2 filter\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 14:44 |
| S11 4 | 0 | matrix near weiner adj2 filter\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 14:44 |

| | | | | | - | |
|----------|-----|---|---|----|-----|------------------|
| S11 5 | 0 | matrix near (weiner adj2 filter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 14:44 |
| S11 6 | 177 | (weiner adj2 filter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 16:07 |
| S11 7 | 4 | "10256060".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 16:21 |
| S11 8 | 0 | "10256060".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 16:07 |
| S11 9 | 2 | "4186349".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 16:22 |
| S12 0 | 2 | ("4186349".pn. "56109910".pn. "6167417".pn.) and (covariance) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/17 16:23 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|---|---------------------|---------|------------------|
| L1 | 0 | reduc\$3 adj2 dimension adj2 weiner adj2 filter\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/20 10:34 |
| L2 | 7 | 375/148-350.ccls. and ((basis and steer\$3) adj2 vector\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/20 10:43 |
| L3 . | 0 | 2 and (reduc\$3 adj2 rank\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/20 10:43 |
| L4 | 0 | 370/335.ccls. and ((basis and steer\$3) adj2 vector\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/20 10:43 |